Reference = ABLIKIM 15AD; PR D92 051101

Verifier code = BES3

Normally we send all verifications for one experiment to one person, usually the spokesperson or data-analysis coordinator, who then distributes them to the appropriate people. Please tell us if we should send the verifications for your experiment to someone else.

PLEASE READ NOW

PLEASE REPLY WITHIN ONE WEEK

Xiao-Rui Lyu

EMAIL: xiaorui@ucas.ac.cn

July 21, 2016

Dear Colleague,

- (1) Please check the results of your experiment carefully. They are marked.
- (2) Please reply within one week.
- (3) Please reply even if everything is correct.
- (4) IMPORTANT!! Please tell WHICH papers you are verifying. We have lots of requests out.
- (5) Feel free to make comments on our treatment of any of the results (not just yours) you see.

Thank you for helping us make the Review accurate and useful.

Sincerely,

Simon Eidelman BINP, Budker Inst. of Nuclear Physics Prospekt Lavrent'eva 11 RU-630090 Novosibirsk Russian Federation

EMAIL: simon.eidelman@cern.ch

LIGHT UNFLAVORED MESONS (S = C = B = 0)

 $\begin{array}{ll} \text{For I} = 1 \; (\pi, \; b, \; \rho, \; a) \colon \quad u\overline{d}, \; (u\overline{u} - d\overline{d})/\sqrt{2}, \; d\overline{u}; \\ \text{for I} = 0 \; (\eta, \; \eta', \; h, \; h', \; \omega, \; \phi, \; f, \; f') \colon \quad c_1(u\overline{u} + d\overline{d}) + c_2(s\overline{s}) \end{array}$

NODE=MXXX005

NODE=MXXX005

NODE=M002

 $\eta'(958)$

 $I^{G}(J^{PC}) = 0^{+}(0^{-+})$

	η' (958)	NODE=M002230		
YOUR DATA	$ \begin{array}{c c} \Gamma \big(\omega \gamma \big) / \Gamma_{\text{total}} \\ \underline{\textit{VALUE}} (\text{units } 10^{-2}) & \underline{\textit{EVTS}} \\ \textbf{2.55} \! \pm \textbf{0.03} \! \pm \! \textbf{0.16} & 33.2 \text{k} \\ \bullet \bullet \bullet \text{We do not use the following} \\ \end{array} $	¹ ABLIKIM 15AD BES3 J	· · · · · -	NODE=M002R49 NODE=M002R49
YOUR NOTE	$2.34 \pm 0.30 \pm 0.04$ 70 2 PEDLAR 09 CLEO $J/\psi \to \gamma \eta'$ 1 Using B $(J/\psi \to \eta' \gamma) = (5.15 \pm 0.16) \times 10^{-3}$ and B $(\omega \to \pi^+ \pi^- \pi^0) = (89.2 \pm 0.7)\%$. 2 Not independent of other η' branching fractions and ratios in PEDLAR 09.			NODE=M002R49;LINKAGE=A NODE=M002R49;LINKAGE=PE
	$ \Gamma(\omega e^+ e^-)/\Gamma(\omega \gamma) $ $ \underline{VALUE \text{ (units } 10^{-3})} $ • • • We do not use the following	data for averages, fits, limits, etc.	_	NODE=M002R60 NODE=M002R60
YOUR DATA YOUR NOTE	4	1 ABLIKIM 15AD BES3 J/v		NODE=M002R60;LINKAGE=A
YOUR DATA	$\Gamma(\omega e^+e^-)/\Gamma_{\text{total}}$ $VALUE \text{ (units } 10^{-4})$ $1.97 \pm 0.34 \pm 0.17$ $EVTS$ $EVTS$	DOCUMENT ID TECN COLL ABLIKIM 15AD BES3 J/v	Γ_5/Γ μΜΕΝΤ $b o \eta' \gamma$	NODE=M002R59 NODE=M002R59
YOUR NOTE	¹ Using B($J/\psi \to \eta' \gamma$) = (5.15 ± 0.16)×10 ⁻³ and B($\omega \to \pi^+ \pi^- \pi^0$) = (89.2 ± 0.7)%.			NODE=M002R59;LINKAGE=A
YOUR PAPER	ABLIKIM 15AD PR D92 051101 PEDLAR 09 PR D79 111101	958) REFERENCES M. Ablikim <i>et al.</i> T.K. Pedlar <i>et al.</i>	(BES III Collab.) (CLEO Collab.)	NODE=M002 REFID=56983 REFID=52998